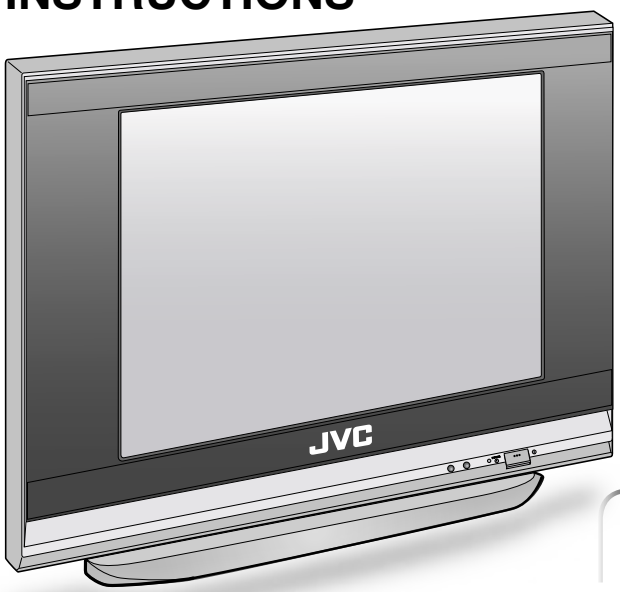
ENGLISH

JVC

COLOUR TELEVISION INSTRUCTIONS



AV-29SX28
AV-29SX18

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GGT0240-001B-H

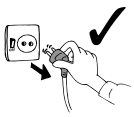
Thank you for buying this JVC colour television.
To make sure you understand how to use your new TV, please read this manual thoroughly before you begin.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

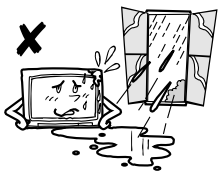
- Operate only from the power source indicated on the rear of the TV.

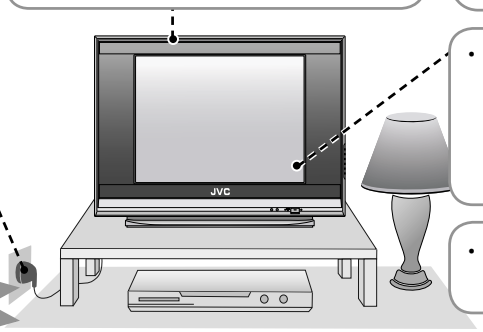
- Avoid damaging the power cord and main plug. When unplugging the TV, grasp the main plug. Do not pull on the power cord.
- This TV can be turned on/off power by connecting/ disconnecting the AC plug into AC outlet. While this TV is being installed, enough space should be reserved for connection/ disconnecting the AC plug into AC outlet by hand.



- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

- Do not allow objects or liquid into the cabinet openings.



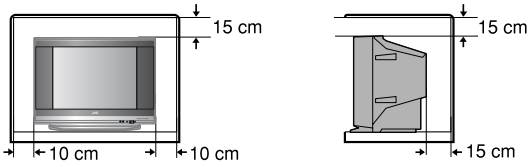


In the event of a fault, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

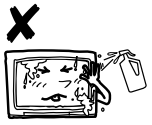
CAUTION

TO ENSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS TV.

- Never block or cover the ventilation openings.
- Never install the TV where good ventilation is unattainable.
- When installing this TV, leave spaces for ventilation around the TV of more than the minimum distances as shown.



- The surface of the TV screen is easily damaged. Be very careful with it when handling the TV. Should the TV screen become soiled, wipe it with a soft dry cloth. Never rub it forcefully. Never use any cleaner or detergent on it.

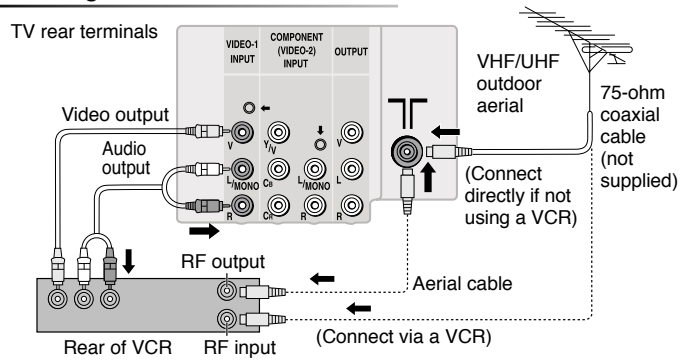


- Never listen to headphones at high volume!
  - It may damage your hearing.

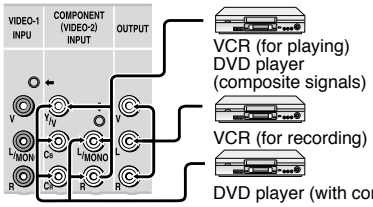
Connections

CAUTION Ensure to turn off all equipments including the TV before connecting the AC main plug to the AC outlet.

Connecting to the aerial cable and VCR



Connecting to the rear component/video input terminal and output terminal



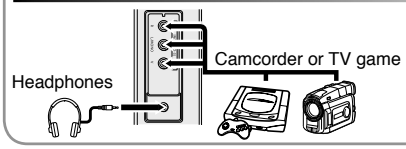
VCR (for playing)
DVD player
(composite signals)

VCR (for recording)

DVD player (with component video signals input)

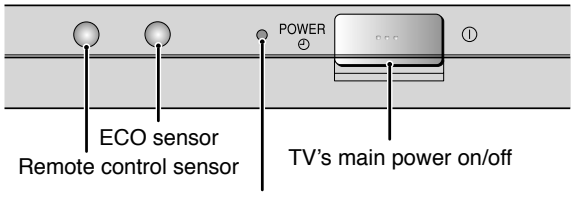
- When connecting to COMPONENT (VIDEO-2) input, depending on the connection, choose the appropriate video input using the menu (➡ page 10).

Connecting to the front video input terminal

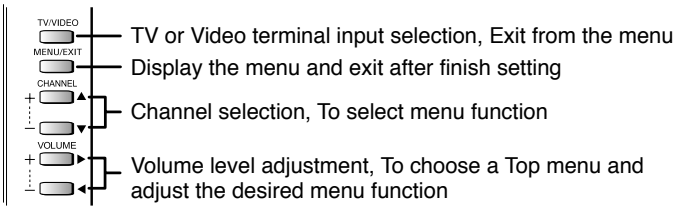


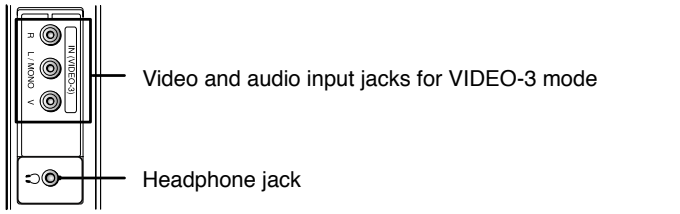
After all the connections have been made, insert the main plug to the AC outlet.

TV buttons and functions



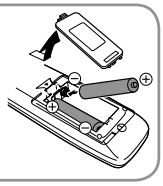
Power lamp - Indicates the TV's status.
No colour: TV's main power is being turned off.
Red: TV's main power is turned on.
Blink: While the TV is in standby mode, ON TIMER function is in used.
While the TV is in turn on mode, OFF TIMER function is in used.


TV/VIDEO
MENU/EXIT
CHANNEL
VOLUME
TV or Video terminal input selection, Exit from the menu
Display the menu and exit after finish setting
Channel selection, To select menu function
Volume level adjustment, To choose a Top menu and adjust the desired menu function



Remote control buttons and basic functions

- Insert two batteries by following the ⊕ and ⊖ polarities and inserting the ⊖ end first.
- Use AA/R6/UM-3 dry cell batteries.
- If the remote control does not work properly, fit new batteries. The supplied batteries are for testing, not regular use.



WARNING:
Batteries shall not be exposed to excessive heat such as direct sunshine, fire or the like.

If this symbol is shown, it is only valid in the European Union.

- Display the programme or video terminal number.
- To return to the previous menu

RETURN PLUS function
Return to the frequently viewed channel.

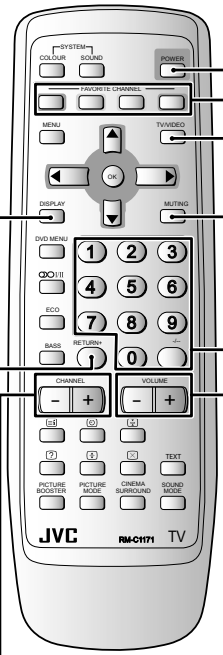
Choose the channel you want to programme

Press and hold ➡ RETURN PLUS PROGRAMMED!

To cancel

Press and hold ➡ RETURN PLUS CANCELED!

RETURN function
If you have not set or have cancelled the RETURN PLUS channel, this will return to the previously viewed channel.



Turn the TV on from standby and vice versa

Programme and recall 4 favourite channels
(colour buttons: red, green, yellow, blue)

Choose the TV channel you wish to programme

➡ PROGRAMMED! ■

Press and hold any button

Repeat to programme another favourite channel.

To recall the favourite channel, press the corresponding colour button.

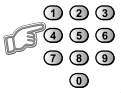
- When the TV is in Text function or MENU mode, the favourite channel function is not available.

TV or video terminal input selection, Exit from the menu

Turn the volume Off / On

Programme number selection
For two digits :

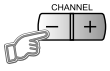
➡



Adjust the volume level, Turn off Muting

Channel selection
Select the desired channel number.

For Hyper Scan



Press and hold ➡ PR changes without changing the picture. Once you stop pressing CHANNEL+ or CHANNEL– button, picture will change to the desired PR.

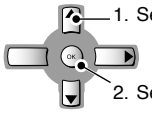
Initial Settings

1. Turn on the TV.

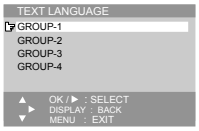
JVC logo appears.

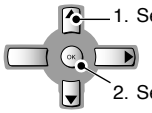
or wait 15 seconds to run Setup Tour

2. Select a language.

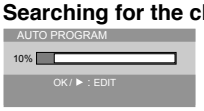


3. Select the Teletext language group.



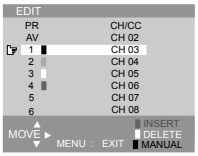


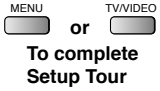
4. Searching for the channels (AUTO PROGRAM)



To stop or wait until AUTO PROGRAM finishes

5. Check what was registered.





To complete Setup Tour

• If you want to edit channel, read the next column.

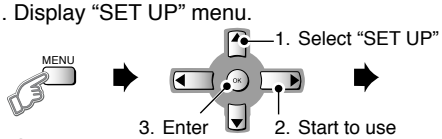
To restart Setup Tour after above setup has completed.

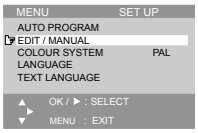
(While the cursor is pointing to PICTURE MODE and hold for 3 seconds)

Registering / Editing channels

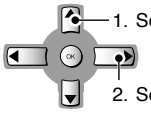
You can edit the channel list or register new channel manually.

1. Display “SET UP” menu.



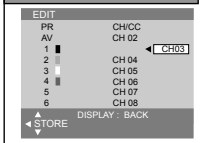


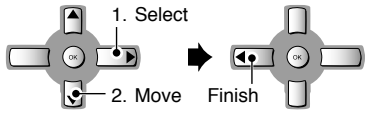
2. Select item.



MOVE

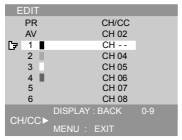
MOVE a channel position.

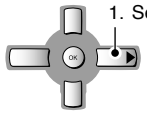




INSERT / DELETE

INSERT / DELETE a channel.





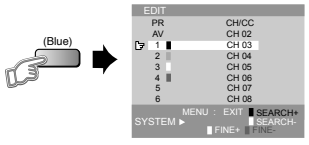
2. Enter a number 0-9 buttons then, receives the broadcast signal.

• Delete a channel by press (Yellow) button.

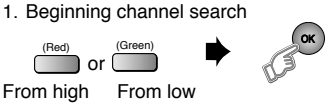
• “CH/CC List” (P. 11)

MANUAL

Register a new channel.



1. Beginning channel search



From high frequencies

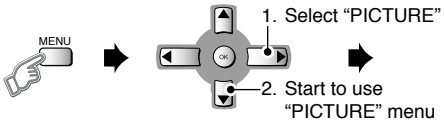
From low frequencies

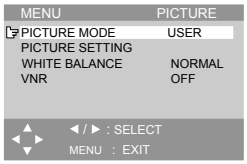
• Channel fine tunning (Yellow) / (Blue)

• If the sound is unnatural ➡ for select sound system.

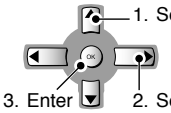
Picture Setting

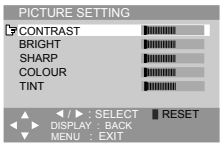
1. Display “PICTURE” menu.





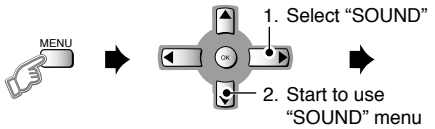
2. Select item and setting or adjust.



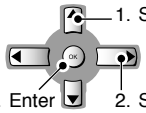
PICTURE MODE	You can choose the desired picture setting. USER : You can change this picture setting as you like. (CONTRAST, BRIGHT, SHARP, COLOUR, TINT) VIVID : Heightens contrast and sharpness. SOFT : Softens contrast and sharpness. SHARP : To sharpen the picture. (For DVD mode) CLEAR : To softens the picture. (For DVD mode)
PICTURE SETTING	You can adjust the desired picture setting when selecting USER in PICTURE MODE.  CONTRAST : Lower ⟷ Higher BRIGHT : Darker ⟷ Brighter SHARP : Softer ⟷ Sharper COLOUR : Lighter ⟷ Deeper TINT : Reddish ⟷ Greenish • To return the setting to default, press the Blue button.
WHITE BALANCE When DVD THEATER STATUS set to ON, WHITE BALANCE is not available in VIDEO-2.	You can change the white balance of the picture to better match the type of video being viewed. NORMAL : Normal white balance. COOL : Bluish white. WARM : Reddish white.
VNR Only available in RF, VIDEO-1 and VIDEO-3.	Reduce the amount of noise in original picture. OFF : VNR is turned off. AUTO : Effect of VNR is automatically controlled. MIN : Effect of VNR becomes minimum level. MAX : Effect of VNR becomes maximum level.

Sound Setting

1. Display “SOUND” menu.



2. Select item and setting or adjust.



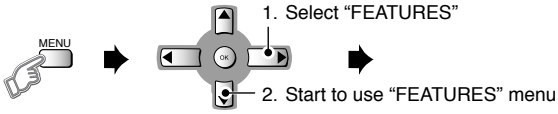
AI VOLUME	Prevent sudden increase or decrease of sound when changing channels. (ON / OFF)
MaxxAudio	You can enjoy the sound setting that you like. OFF : MaxxAudio is turned off. USER : Change the sound setting as you like. (MaxxBass, MaxxTreble, MaxxStereo) MUSIC : Emphasize on music effect. THEATER : Emphasize on movie sound.
MaxxBass	Compensates low frequencies to widen the frequency band.
MaxxTreble	Compensates high frequencies to widen the frequency band.
MaxxStereo	Expands the stereo sound naturally.
BALANCE	You can change the speaker balance. (Left Stronger ⟷ Right Stronger)
CINEMA SURROUND	You can enjoy an enhanced sound for wider audience. (ON / OFF)

• To return the sound setting to default, press the Blue button.

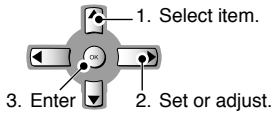
“MaxxAudio” is a registered trademark of Waves Audio Ltd. in the USA, Japan and other countries.

Useful Functions

1. Display “FEATURES” menu.



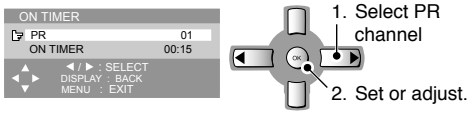
2. Select item and setting or adjust.



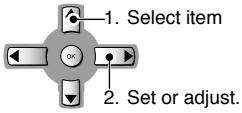
ON TIMER

TV to turn on automatically from standby mode at a set time.

1. Select PR channel that you want to watch.



2. Set the ON TIMER to your desired period of time.



You can set the period of time to a maximum of 12 hours in 15-minute intervals. To off the ON TIMER, set ON TIMER to OFF.

Note : If TV is not in standby mode when ON TIMER is reach the setting time, this case is not available.

OFF TIMER

TV to turn off automatically to standby mode after a set time.

1. Select a time in minutes by press ◄/► button.

You can set the period of time to a maximum of 120 minutes in 10 minutes intervals.

Note : When the remaining elapse time is automatically to one minute, “GOOD NIGHT!” appears on the screen.

CHILD LOCK

Disables the side control buttons of the TV. (ON / OFF)

AI ECO SENSOR

You can automatically adjust TV screen contrast according to the brightness of your room to suitable level for a better eyecare.
(OFF / MODE-1 / MODE-2 / DISPLAY)

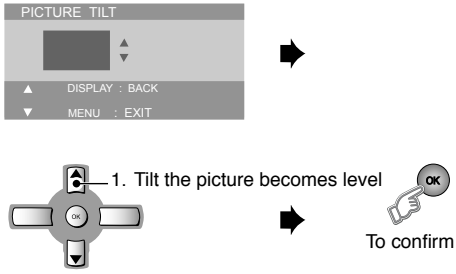
- You can operate the ECO function by press ECO button.

BLUE BACK

Display a blue screen and mute the sound when the signal is weak or absent. (ON / OFF)

PICTURE TILT

You can correct the picture tilt caused by the earth’s magnetic force.



Useful Functions (continued)

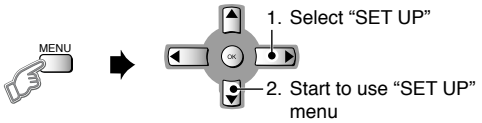
BEEP

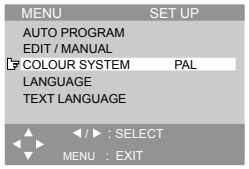
You can use the BEEP function to alert you during AUTO SIGNAL DETECT, AI ECO SENSOR Detect, Stereo Detect, ON TIMER / OFF TIMER operations and when some buttons on the remote control are pressed. (ON / OFF)

COLOUR SYSTEM

You can select the appropriate colour system when the picture is not clear or no colour appears.
(RF mode : AUTO / PAL / SECAM / NTSC 3.58)
(VIDEO mode : AUTO / PAL / SECAM / NTSC 3.58 / NTSC 4.43)

1. Display “SET UP” menu.





- You can operate the COLOUR SYSTEM function by press COLOUR button.

SOUND SYSTEM

You can select an appropriate sound system when abnormal sound occurs even when the picture appears normal.
(B/G, I, D/K, M)

- You can operate the SOUND SYSTEM function by press SOUND button.

Colour and Sound system in your country or region.

Area	Country or Region	Sound system	Colour system
Asia, Middle East	Bahrain , Kuwait, Oman, Qatar, United Arab Emirates, Yemen, Indonesia, Malaysia, Singapore, Thailand, India, etc.	B/G	PAL
	China, Vietnam, etc.	D/K	
	Hong Kong, etc.	I	
	Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	B/G	SECAM
	Philippines, Taiwan, Myanmar, etc.	M	NTSC
Europe	Russia, etc.	D/K	SECAM
	Czech Republic, Poland, etc.		PAL
	Germany , Holland, Belgium , etc.	B/G	
	UK, etc.	I	
Oceania	Australia, New Zealand, etc.	B/G	PAL
Africa	Republic of South Africa, etc.	I	PAL
	Nigeria, etc.	B/G	
	Egypt, Morocco , etc.		SECAM

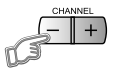
Teletext operation

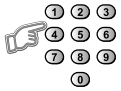
You can watch the Teletext broadcast channel with TEXT functions.

1.

TV mode → TEXT mode → MIX mode

2. Select other Teletext pages.



OR


OR

3.

OR

to return to the TV mode.

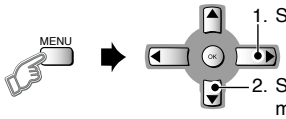
You can also operate the teletext using the following buttons:

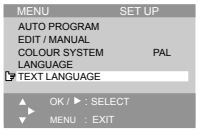
(Hold)	Hold a teletext page. To Cancel, press the button again.
(Reveal)	Display the hidden text (example: answers to a quiz). To Cancel, press the button again.
(Size)	Enlarge the teletext display.
(Index)	Return to the index page instantly.
(Cancel)	Watch TV programme while waiting for a teletext page. When the teletext page is found, a page number appears at the upper left of the screen. Press the button to view the teletext page.
(Sub-page)	Sub-page numbers are displayed at the left of the screen. To cancel sub-page function, press the button again.

TEXT LANGUAGE

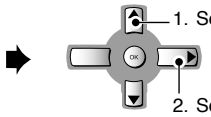
You can set the Teletext language group that corresponds to the programmes.

1. Display “SET UP” menu.





2. Select item.



GROUP-1	English, German, Swedish, Finnish, Danish, Hungarian, Italian, French, Spanish, Portuguese, Turkish
GROUP-2	Polish, German, Estonian, Slovenian, Czech, Slovakian, Rumanian
GROUP-3	Polish, German, Estonian, Lettish, Russian, Ukrainian
GROUP-4	English, Polish, French, Turkish, Arabic, Farsi

• Only available AV-29SX28.

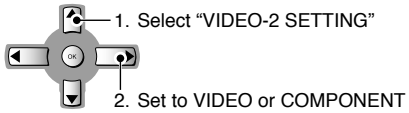
Watching Video or DVDs

VIDEO-2 SETTING

Switch between video and component signal (VIDEO / COMPONENT)

1. Select “FEATURES” menu.

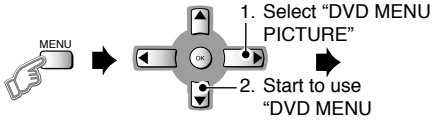
2. Select “VIDEO-2 SETTING”. Then set to VIDEO or COMPONENT.

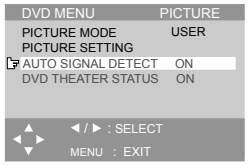


Function for watching DVDs

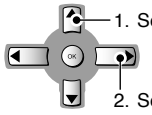
Available for component signal only.

1. Select “DVD MENU PICTURE” menu.





2. Select item and setting.



- You can operate the DVD function by press DVD MENU button.

AUTO SIGNAL DETECT Automatically change the input mode to Video-2 when the DVD input signal is detected. Automatically change the input mode to RF previous input mode when the DVD input signal is not detected. (ON / OFF)

DVD THEATER STATUS Enjoy an enhanced picture quality for movie playback in a dark room, like watching a movie in the theater. (ON / OFF)

- When you set DVD THEATER STATUS set to ON, AI ECO SENSOR and WHITE BALANCE adjustment become unavailable.
  Only available in VIDEO-2 mode.

CH / CC List

To use the INSERT function (P. 5), find the “CH/CC” number corresponding to the TV’s channel number from this table.
US: The US channel numbers are the channel numbers used in the United States, Philippines, etc.
CCIR: The CCIR channel numbers are the channel numbers used in the Middle East, Southeast Asia, etc.
OIRT: The OIRT channel numbers are the channel numbers used in Eastern Europe, Russia, Vietnam, etc.
AUSTRALIA: The AUSTRALIA channel numbers are the channel numbers used in Australia, etc.

CH	Channel			
	US	CCIR	OIRT	AUSTRALIA
CH 02	US-02	E2	R1	AU-0
CH 03	US-03	E3		AU-1
CH 04	US-04	E4	R2	AU-2
CH 05	US-05	E5	R6	AU-6
CH 06	US-06	E6	R7	AU-7
CH 07	US-07	E7	R8	AU-8
CH 08	US-08	E8	R9	AU-9
CH 09	US-09	E9		
CH 10	US-10	E10	R10	AU-10
CH 11	US-11	E11	R11	AU-11
CH 12	US-12	E12	R12	
CH 13	US-13			
CH 14	US-14, W+29			
CH 15	US-15, W+30			
CH 16	US-16, W+31			
CH 17	US-17, W+32			
CH 18	US-18, W+33			
CH 19	US-19, W+34			
CH 20	US-20, W+35			
CH 21	US-21, W+36	E21		
CH 22	US-22, W+37	E22		
CH 23	US-23, W+38	E23		
CH 24	US-24, W+39	E24		
CH 25	US-25, W+40	E25		
CH 26	US-26, W+41	E26		
CH 27	US-27, W+42	E27		
CH 28	US-28, W+43	E28		
CH 29	US-29, W+44	E29		
CH 30	US-30, W+45	E30		
CH 31	US-31, W+46	E31		
CH 32	US-32, W+47	E32		
CH 33	US-33, W+48	E33		
CH 34	US-34, W+49	E34		
CH 35	US-35, W+50	E35		
CH 36	US-36, W+51	E36		
CH 37	US-37, W+52	E37		
CH 38	US-38, W+53	E38		
CH 39	US-39, W+54	E39		
CH 40	US-40, W+55	E40		
CH 41	US-41, W+56	E41		
CH 42	US-42, W+57	E42		
CH 43	US-43, W+58	E43		
CH 44	US-44, W+59	E44		
CH 45	US-45, W+60	E45		
CH 46	US-46, W+61	E46		
CH 47	US-47, W+62	E47		
CH 48	US-48, W+63	E48		
CH 49	US-49, W+64	E49		
CH 50	US-50, W+65	E50		
CH 51	US-51, W+66	E51		
CH 52	US-52, W+67	E52		
CH 53	US-53, W+68	E53		
CH 54	US-54, W+69	E54		
CH 55	US-55, W+70	E55		
CH 56	US-56, W+71	E56		
CH 57	US-57, W+72	E57		
CH 58	US-58, W+73	E58		
CH 59	US-59, W+74	E59		
CH 60	US-60, W+75	E60		
CH 61	US-61, W+76	E61		
CH 62	US-62, W+77	E62		
CH 63	US-63, W+78	E63		
CH 64	US-64, W+79	E64		
CH 65	US-65, W+80	E65		
CH 66	US-66, W+81	E66		
CH 67	US-67, W+82	E67		
CH 68	US-68, W+83	E68		
CH 69	US-69, W+84	E69		

CC	Channel			
	US	CCIR	OIRT	AUSTRALIA
CC 01		S-1		AU-5
CC 02		S-2		
CC 03		S-3		
CC 04		S-4		
CC 05		S-5		
CC 06		S-6		AU-5A
CC 07		S-7		
CC 08		S-8		
CC 09		S-9		
CC 10		S-10		
CC 11		S-11		
CC 12		S-12		
CC 13		S-13		
CC 14	A	S-14		
CC 15	B	S-15		
CC 16	C	S-16		
CC 17	D	S-17		
CC 18	E	S-18		
CC 19	F	S-19		
CC 20	G	S-20		
CC 21	H	S-21		
CC 22	I	S-22		
CC 23	J	S-23		
CC 24	K	S-24		
CC 25	L	S-25		
CC 26	M	S-26		
CC 27	N	S-27		
CC 28	O	S-28		
CC 29	P	S-29		
CC 30	Q	S-30		
CC 31	R	S-31		
CC 32	S	S-32		
CC 33	T	S-33		
CC 34	U	S-34		
CC 35	V	S-35		
CC 36	W	S-36		
CC 37	W+1	S-37		
CC 38	W+2	S-38		
CC 39	W+3	S-39		
CC 40	W+4	S-40		
CC 41	W+5	S-41		
CC 42	W+6			
CC 43	W+7			
CC 44	W+8			
CC 45	W+9			
CC 46	W+10			
CC 47	W+11			
CC 48	W+12			
CC 49	W+13			
CC 50	W+14			
CC 51	W+15			
CC 52	W+16			
CC 53	W+17			
CC 54	W+18			
CC 55	W+19			
CC 56	W+20			
CC 57	W+21			
CC 58	W+22			
CC 59	W+23			
CC 60	W+24			
CC 61	W+25			
CC 62	W+26			
CC 63	W+27			
CC 64	W+28			
CC 75		X		
CC 76		Y	R3	
CC 77		Z	R4	AU-3
CC 78		Z+1	R5	
CC 79		Z+2		AU-4
CC 95	A-5			
CC 96	A-4			
CC 97	A-3			
CC 98	A-2			
CC 99	A-1			

Troubleshooting

If a problem occurs when you are using the TV, check the below troubleshooting guide before calling for repair.

No picture, no sound	Page
Deactivate the BLUE BACK function if it is turned on.	7
Choose the appropriate sound system. Refer to “SOUND SYSTEM”.	8
Snowy picture	
Check the aerial cable and TV connections.	3
Stripes appear on the picture	
Interference caused by devices such as an amplifier, personal computer, or a hair drier. Move it away from your TV.	--
Double-pictures (ghosting) occur	
Interference occurs caused by signal reflecting from mountains or building. Try to adjust the aerial’s direction or use another antenna.	--
Poor picture	
Choose the appropriate colour system. Refer to “COLOUR SYSTEM”.	8
Adjust the COLOUR or BRIGHT setting. Refer to “PICTURE SETTING”.	6
White and bright still image look as if it was coloured	
Inevitable phenomenon due to the nature of the picture tube. This is not a malfunction.	--
Top of the image from software products or video tape is distorted	
Due to the condition of the video signal, the image was not properly recorded. This is not a malfunction.	--
Poor sound	
Adjust the sound frequency properly. Refer to “SOUND SYSTEM”.	8
Cannot operate the remote control	
The batteries may be exhausted. Replace with new batteries. Ensure that you are operating the remote control at less than seven meters from the front of your TV.	4
Cannot operate the menus	
Press TV/VIDEO button to return to TV mode and try operating the menus.	--

Cannot operate the front control buttons	Page
Deactivate the CHILD LOCK function if it is turned on.	7
Colour patches appear at the corner of the screen	
This maybe due to magnetized device such as a speaker placed near to your TV. Move it away from your TV. Alternatively, you can also use the magnetic shielded speaker.	--
Picture is tilted	
This maybe due to the earth magnetism. To “PICTURE TILT” to correct the tilt.	7
Image takes a short period to be displayed	
Image required time to stabilize before display. This is not a malfunction.	--
TV may emit crackling sound	
This is due to a sudden change in temperature and it is not a malfunction. If the crackling sound is too frequent, request your service technician for inspection.	--
Feel a slight electric shock when touching the TV screen	
This is due to the static electricity of the picture tube and it will not harm the human body. This is not a malfunction.	--
AUTO SIGNAL DETECT does not work	
Set the AUTO SIGNAL DETECT function to ON. Turn the VCR or DVD Player off and on again. Check that the video cable connection on VIDEO-2 is properly connected.	10 -- --
Suddenly, the TV input changes to VIDEO-2	
Check whether the AUTO SIGNAL DETECT function is on or off. AUTO SIGNAL DETECT function may work when you operate the VCR or DVD player even if you do not make it to playback.	10 --
AUTO SIGNAL DETECT does not work correctly	
Check the video cable connection. Some VCR or DVD player may output the video signal discontinuously. If this happens, AUTO SIGNAL DETECT function cannot work correctly.	--

Specification

TV RF systems		B, G, I, D, K, M
Colour systems	**(RF mode)**	PAL, SECAM, NTSC 3.58 MHz
	(VIDEO mode)	PAL, SECAM, NTSC 3.58 MHz, NTSC 4.43 MHz
Receiving channels		VHF low channel (VL), VHF high channel (VH), UHF channel (U) Receives cable channels in mid band, super band and hyper band.
Power requirements		AC 110 to 240 V, 50 Hz / 60 Hz
External input / output	**VIDEO-1**	VIDEO input, AUDIO L/R input
	VIDEO-2/COMPONENT	VIDEO input, AUDIO L/R input, COMPONENT VIDEO ($Y/C_B/C_R$) input
	VIDEO-3	VIDEO input, AUDIO L/R input
	OUTPUT	VIDEO output, AUDIO L/R output
	Headphone jack	Stereo mini jack (3.5 mm diameter)
Teletext system		FLOF (Fastext), WST (World Standard Text)

Design and specifications subject to change without notice.

MEMO

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